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Order from LC or SLA mi\$1.80, ph\$1.80 61-15359

Trans. of Zhurnal Neorganicheskoy Khimii (USSR)  
1957 [v. 2] no. 12, p. 2716-2722.

Experiments showed that  $BF_3$  is more strongly bonded to pyridine than to ether; pyridine is more strongly bonded to  $BF_3$  than to  $SiF_4$ .  $Py.BF_3$  is extremely readily soluble in benzene:  $\%PyBF_3 = 44.4 + 1.195t$ ; solvated crystals are not formed in the range studied. The solubility of  $Py.BF_3$  in ether is slight. Decomposition of  $Py.BF_3$  in aqueous alkaline solutions takes place as a first order reaction through the stage of hydrolysis (or solvolytic dissociation). The connection between the velocity constant (in  $min^{-1}$ ) and the temperature is described by the equation  $\log 0.4343k =$  (Chemistry--Inorganic, TT, v. 5, no. 8) (over)

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DESCRIPTORS: \*Geology, \*Geophysical prospecting,  
Low frequency, Direct current, Electric currents.

ATS-AJ3540

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*Yu. S. Ryss*

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A CONTRIBUTION OF KNOWLEDGE OF THE  
PARCHMENTISING PROCESS USING SULPHURIC ACID  
Jul 63 14p (figs omitted) 32refs  
Order from SLA \$1.60

TT-63-20564

Trans. of Paperi ja Puu (Finland) 1963 [v. 45]  
no. 4a, p. 181-190. (Abstract available).

DESCRIPTORS: \*Paper industry, Permeability,  
Sulfuric acid, Test methods.

Several previously developed test methods are  
evaluated and new ones devised to determine the  
suitability of various pulps for parchmentising and  
to investigate the variables in the parchmentising  
process. The variables tested are the beating process,  
the sulfuric acid concentration and temperature, the  
penetration speed and the solution speed for several  
(Materials--Paper, TT, v. 11, no. 3) (over)

TT-63-20564

1. Title: Greaseproofing
  2. Title: Parchmentising  
process
- I. Ryti, N.
  - II. Skogman, R.

Office of Technical Services

61-10609

Ryti, N. and Pirolinen, E.

A METHOD OF MEASURING THE DRAWS  
BETWEEN PAPER MACHINE SECTIONS. Dec 60,  
4p. (6 figs. omitted) 3 refs.

Order from SLA mi\$1.80, ph\$1.80 61-10609

Trans. of Paperi ja Puu (Finland) 1960, v. 42, no. 8,  
p. 443-447.

A comparatively accurate measurement of draws between sections can be arranged on continuous drive paper machines, with the help of mechanical or electrical differential and tachogenerators. The differences in rpm which can be compared by means of the differential can be "magnified" so that tachogenerator measuring errors will not appreciably affect the final result. The method has been adapted for use on a paper machine equipped with a mechanical differential drive, by using the differential gears in the gear-boxes of the sections as an aid to measurement.

(Author)

(Materials--Paper, TT, v. 5, no. 12)

1. Paper--Production
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1. Ryti, N.
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USSR - Pol

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